

Datasheet: AHP2640

**BATCH NUMBER 164381**

<b>Description:</b>	RABBIT ANTI LCK (pTyr394)
<b>Specificity:</b>	LCK (pTyr394)
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	50 µl

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/500 - 1/2000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with: Mouse

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

### Product Form

Purified IgG - liquid

### Antiserum Preparation

Antiserum to LCK (pTyr394) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.02% Sodium Azide  
50% Glycerol

**Immunogen** Phospho specific-peptide corresponding to residues surrounding tyrosine 394 of human LCK

---

**External Database Links**

**UniProt:**

[P06239](#)    [Related reagents](#)

**Entrez Gene:**

[3932](#)    LCK    [Related reagents](#)

---

**Specificity**

**Rabbit anti LCK (pTyr394) antibody** recognizes LCK, also known as tyrosine-protein kinase Lck, leukocyte C-terminal Src kinase, lymphocyte cell-specific protein-tyrosine kinase or p56-LCK, when phosphorylated at tyrosine 394. LCK is a member of the Src family of tyrosine kinases. The T cell antigen receptor (TCR) depends on LCK to initiate signaling.

LCK is autophosphorylated at tyrosine 394 in response to TCR engagement ([Wright \*et al.\* 1994](#)). Phosphorylation of LCK at tyrosine 394 leads to phosphorylation of CD3 and the gamma chains of the TCR as part of T cell activation.

---

**Further Reading**

1. Wright, D.D. *et al.* (1994) Oncogenic activation of the Lck protein accompanies translocation of the LCK gene in the human HSB2 T-cell leukemia. [Mol Cell Biol. 14 \(4\): 2429-37.](#)

---

**Storage**

Store at -20°C  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

---

**Guarantee**

12 months from date of despatch

---

**Health And Safety Information**

Material Safety Datasheet documentation #10049 available at: <https://www.bio-rad-antibodies.com/SDS/AHP2640>  
10049

---

**Regulatory**

For research purposes only

---

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

**North & South** Tel: +1 800 265 7376

**Worldwide**

Tel: +44 (0)1865 852 700

**Europe**

Tel: +49 (0) 89 8090 95 21

To

**America** Fax: +1 919 878 3751

Fax: +44 (0)1865 852 739

Fax: +49 (0) 89 8090 95 50

find a

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M340135:190104'

**Printed on 12 Sep 2024**

---

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)